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# U. S. DEPARTMENT OF AGRICULTURE, FEDERAL HORTICULTURAL BOARD.

C. L. MARLATT, *Chairman*; W. A. ORTON; GEO. B. SUDWORTH; W. D. HUNTER;  
A. V. STUBENRAUCH, R. C. ALTHOUSE, *Secretary*.

## RULES AND REGULATIONS UNDER THE PLANT QUARANTINE ACT: INTERSTATE MOVEMENT OF POTATOES FROM AREAS QUARANTINED FOR POWDERY SCAB.

### LETTER OF TRANSMITTAL.

U. S. DEPARTMENT OF AGRICULTURE,  
FEDERAL HORTICULTURAL BOARD,  
*Washington, D. C., June 26, 1914.*

SIR: The Federal Horticultural Board respectfully submits the following circular giving regulations governing the interstate movement of potatoes under the provisions of the act of Congress of August 20, 1912 (37 Stat., 315), known as the Plant Quarantine Act.

Respectfully,

C. L. MARLATT, *Chairman*.  
W. A. ORTON,  
GEO. B. SUDWORTH,  
W. D. HUNTER,  
A. V. STUBENRAUCH,  
*Federal Horticultural Board*.  
R. C. ALTHOUSE,  
*Secretary of Board*.

Approved:  
FRANCIS G. CAFFEY, *Solicitor*.

Hon. DAVID F. HOUSTON,  
*Secretary of Agriculture*.

## REGULATIONS GOVERNING INTERSTATE MOVEMENT OF POTATOES FROM AREAS QUARANTINED FOR POWDERY SCAB.

### Regulation 1. Definitions.

For the purposes of these regulations the following words, phrases, names, and terms shall be construed, respectively, to mean—

- a. Powdery scab: The disease of potatoes known as *Spongospora subterranea*.
- b. Disease similar to powdery scab: Any disease of potatoes, visible upon inspection, which resembles powdery scab in appearance.
- c. Infected potatoes: Potatoes of lots which contain individual tubers infected with powdery scab or any disease similar to powdery scab.
- d. Exposed potatoes: Potatoes grown in fields infected with powdery scab or which have come in contact with soil, tubers, or containers infected with or contaminated by powdery scab.
- e. Seed potatoes: Potatoes neither infected nor exposed which are to be used for seeding purposes.



*f.* Table potatoes: Potatoes neither infected nor exposed, and potatoes which have been infected or exposed, but from which all tubers visibly infected with powdery scab or any disease similar to powdery scab have been removed, which are to be used for table purposes.

*g.* Quarantined area: Any State, Territory, or District of the United States, or any portion thereof, quarantined by the Secretary of Agriculture upon determination by him that powdery scab exists therein.

*h.* Infected area: Those portions of any quarantined area which are determined by the Federal Horticultural Board to be infected with powdery scab.

*i.* Department inspector: An inspector of the Federal Horticultural Board of the United States Department of Agriculture.

#### Regulation 2. Registration and application for inspection

*a.* Persons intending to ship any potatoes from a quarantined area, to or through a State, Territory, or District other than that in which such quarantined area is located, should register with the United States Department of Agriculture, Potato Inspection Service, for the district in which the quarantined area is located, as early in advance of shipment as practicable, specifying the locations and capacities of warehouses, cellars, and other storage spaces, with the number of bins and loading doors in each, and an estimate of the quantity of potatoes it is expected will require inspection during each season. Registration forms will be furnished upon request.

*b.* Persons intending to ship potatoes should apply for inspection thereof at least three days in advance of the date of shipment: *Provided*, That persons using warehouses from which shipments are being made every third day, or oftener, may request continuous inspection service, subject to arrangement with the inspector in charge at that place as to days when inspections shall be made. Each application shall state where the potatoes are located, their approximate quantity, and the expected date of loading. Forms of application for inspection will be furnished by the department inspector in charge at each loading center upon request. Lists showing places designated as loading centers will be issued by the Federal Horticultural Board from time to time.

*c.* After cars have been set, additional notice should be given of actual readiness to begin loading at a specified time. Notices of readiness to begin loading may be given either orally or in writing as the the department inspector at the place of loading may require.

#### Regulation 3. Inspection.

*a.* Potatoes will not be inspected in any warehouse, cellar, or other storage place unless the same is adequately lighted, if not by natural light, then with drop-cord electric lights reaching to all parts of every bin, or with suitable mantle lamps. Inspection will not be conducted in places which are so dimly lighted as to render inspection uncertain or which afford insufficient space to permit ready access by the inspectors to all potatoes offered for inspection. Inspection will not be conducted in the open air in inclement weather.

*b.* During the time of racking, sorting, packing, and loading potatoes offered for inspection, the department inspector or inspectors shall have free access to the cars or other vehicles or boats in which the potatoes are loaded, and to all parts of the warehouses or other places where they are stored. Inspection may be discontinued upon the failure of the owner, at the request of the inspector, to secure for him access to any car or other vehicle or boat or to any part of any warehouse or other storage place.

*c.* If the potatoes are found upon inspection to be free from powdery scab, or any disease similar to powdery scab, and all the requirements of these regulation have been met, the inspector shall issue cards and certificates, as hereinafter provided.

d. If any lot of potatoes is found upon inspection to contain one or more tubers infected with powdery scab, or any disease similar to powdery scab, each infected tuber shall be promptly removed. Potatoes in any such lot which are not themselves infected with powdery scab, or any disease similar to powdery scab, may be certified and carded only for table use, and shall not be certified or carded for use as seed stock.

**Regulation 4. Special requirements for seed potatoes.**

a. *Inspection.*—No potatoes offered for inspection and certification as seed potatoes will be inspected by the department inspectors unless there shall be furnished, prior to inspection, a signed statement of the grower that, to the best of his knowledge and belief, the potatoes are of clean stock, were grown from clean seed and in soil not infected with powdery scab, and have not been in contact with any material, container, or implement through which they might have become infected with powdery scab. If, upon inspection, such potatoes are found not to be infected with powdery scab, or any disease similar to powdery scab, and have been handled and stored in accordance with the requirements of regulation 12, cards and certificates may be issued as hereinafter provided.

b. *Conditions of shipment.*—All seed potatoes moved from a quarantined area, to or through a State, Territory, or District other than that in which such quarantined area is located, shall be packed in sacks or other suitable containers holding each not to exceed 180 pounds net weight: *Provided*, That shippers or associations of shippers having suitable handling and storage facilities at places in any other State, Territory, or District of the United States may ship in bulk to themselves at such places in quantities of not less than 25 carloads of potatoes per month which have been inspected, certified, and carded in conformity with these regulations, to be packed at destination under the supervision of a department inspector, subject to the requirements of these regulations: *And provided further*, That growers in other States, Territories, or Districts who purchase in a quarantined area seed potatoes for their own use may have such potatoes delivered direct from the fields to cars and shipped in bulk, subject in all other respects to the same inspection and certification as other seed potatoes.

**Regulation 5. Containers.**

a. In all cases where potatoes are transported in packages rather than in bulk, only sacks or other containers which have not previously held potatoes may be used.

**Regulation 6. Determination of infected areas.**

a. The Federal Horticultural Board shall determine, from time to time, after due investigation, what portions of each quarantined area are infected with the powdery scab and shall thereupon give notice in writing to transportation companies doing business in or through the State, Territory, or District in which the quarantined area is located, and by publication in newspapers selected by the Federal Horticultural Board within such State, Territory, or District, of the portions of such areas found to be so infected.

**Regulation 7. Interstate movement of infected potatoes prohibited.**

a. No infected potatoes shall be moved from a quarantined area to or through a State, Territory, or District other than that in which such quarantined area is located.

**Regulation 8. Interstate movement of table and seed potatoes permitted.**

a. No table or seed potatoes shall be moved from a quarantined area to or through a State, Territory, or District other than that in which such quarantined area is located, unless and until the same shall have been inspected by a department inspector, and certified to be free from infection with powdery scab, or any disease similar to powdery scab, and the containers thereof have been marked as prescribed by these regulations.

**Regulation 9. Marking of containers.**

No potatoes shall be moved from a quarantined area to or through a State, Territory, or District other than that in which such quarantined area is located, unless the provisions contained in paragraphs *a*, *b*, *c*, *d*, and *e* of this regulation are strictly observed and complied with.

*a.* Each container shall have attached thereto a card bearing a serial number and signed or initialed by the inspector issuing it.

*b.* Each card shall bear the name and address of the consignor and state that the contents of the container have been examined by an inspector of the United States Department of Agriculture and are believed to be free from powdery scab.

*c.* Each card shall have printed thereon in prominent type the words "Seed Potatoes" or "Table Potatoes," as the case may be.

*d.* Cards for containers of seed potatoes shall be printed on white stock; those for table potatoes grown in or shipped from infected areas, on yellow stock; and those for table potatoes grown in and shipped from uninfected areas, on blue stock.

*e.* Cards shall be furnished only by department inspectors and shall be attached to containers only under their supervision and with their express permission.

**Regulation 10. Certification of shipments.**

*a.* Except as hereinafter provided, no potatoes shall be transported or received for transportation from a quarantined area to or through a State, Territory, or District other than that in which such quarantined area is located, unless and until there shall have been issued, upon a form supplied by the Federal Horticultural Board, a certificate for each separate consignment, showing that all the potatoes in the consignment have been inspected by a department inspector and pronounced to be free from powdery scab; that the containers thereof have been marked as required by these regulations; the number and kind of containers (sacks, cars, etc.), with initials and numbers of the cars, if conveyed in cars; and the serial numbers of the inspection cards thereon. Each certificate shall also bear the names and addresses of the consignor and consignee, shall be signed by the inspector issuing it, and, except as provided in paragraph *b* of this regulation, countersigned by the consignor or his duly authorized agent.

Each certificate shall be executed in triplicate, of which one copy shall be filed by the department inspector in the records of the United States Department of Agriculture, one copy shall be furnished to the consignor, and the third copy shall be retained by the carrier.

Each waybill, transfer bill, running slip, manifest, or conductor's card accompanying a shipment of potatoes must have embodied in, stamped upon, or attached to it a statement signed by an agent of the carrier, showing that the certificate required by this regulation is on file with the initial carrier and the number of such certificate.

*b.* At all shipping points in a quarantined area, except those in portions of the area which shall have been determined by the Federal Horticultural Board to be infected, table potatoes may be accepted by carriers for transportation to any other State, Territory, or District, subject to certification and carding by or under the supervision of a department inspector at a point en route within the quarantined area designated for the purpose by the superintendent of inspection prior to shipment: *Provided*, That any such shipment shall be accompanied by a statement signed by the consignor, or his agent, to the effect that the potatoes were grown in a noninfected area. The signing by consignors of certificates for shipments made in compliance with this paragraph is waived.

*c.* Potatoes grown in quarantined areas intended for transportation to any other State, Territory, or District of the United States may be loaded into cars in a contiguous foreign country in bond upon compliance with these regulations. Potatoes so loaded will not be permitted to enter the United States at any point unless each consignment is accompanied by the certificate, and each car bears the card prescribed by these regulations for potatoes grown or loaded in a quarantined area.



**Regulation 11. Partial loading and stop-over.**

Seed potatoes may be received from more than one loading station within a quarantined area for transportation in the same car, provided the following conditions and restrictions are strictly observed and complied with:

a. The potatoes loaded at each station prior to the station at which the loading is completed may be inspected and, if found suitable for certification, the usual card shall be attached to each sack or other container. The department inspector at each station shall promptly notify the department inspector at each succeeding station of the number of the containers to which cards have been attached by him.

b. After the final loading and inspection, the inspector shall issue the necessary additional cards and duly certify the entire carload of potatoes for interstate transportation.

**Regulation 12 Disinfection requirements.**

a. No potatoes shall be transported from a quarantined area, to or through a State, Territory, or District other than that in which such quarantined area is located, in cars or other vehicles unless all refuse and soil are first removed and the interior is washed or sprayed with a 1 per cent solution of copper sulphate, nor, in case they are or have been stored in any warehouse or cellar, unless such warehouse or cellar shall have been treated as follows:

Cleaned thoroughly; the walls washed or sprayed with a fresh lime wash containing 1 pound of copper sulphate (bluestone) to every 15 gallons of the wash; the floors treated either with the same wash or with chloride of lime (bleaching powder).

b. All tools and implements used in handling potatoes within infected areas offered for inspection shall be disinfected in the following manner:

Dipped, washed, or sprayed with approved disinfecting solutions, such as solutions of formaldehyde, 1 pint 40 per cent solution to each gallon of water; copper sulphate, 1 pound per 15 gallons of water; or corrosive sublimate (mercuric chloride) 1 to 1,000 by weight.<sup>1</sup>

**Regulation 13. Responsibility of inspectors.**

a. In all respects where inspection and certification are required by these regulations, inspection and certification by a department inspector are meant.

b. Department inspectors shall issue cards and certificates of inspection only for potatoes and containers actually inspected by them, and the use of such cards and certificates in connection with potatoes which have not been so inspected and certified is prohibited.

**Regulation 14. Identification of inspectors.**

a. Each inspector shall wear, while on official duty, a metal badge issued by the United States Department of Agriculture. Each badge shall bear the number assigned to the inspector, and the legend "U. S. Department of Agriculture, Federal Horticultural Board. Quarantine Inspector."<sup>2</sup>

The foregoing regulations are adopted, effective on and after August 1, 1914.

Done at Washington this 26th day of June, 1914.

Witness my hand and the seal of the United States Department of Agriculture.

[SEAL.]

D. F. HOUSTON,  
*Secretary of Agriculture.*

<sup>1</sup> The formaldehyde solution is less corrosive to metals than the other two solutions. Both the copper and mercury compounds are poisonous.

<sup>2</sup> It is a violation of the Plant Quarantine Act of Aug. 20, 1912, to move potatoes from a quarantined area to or through a State, Territory, or District other than that in which such quarantined area is located except in accordance with these regulations and any amendments thereto.











